



1360

**TECHNICAL DIRECTION DOCUMENT
AMENDMENT**TDD Number: **96-04-0003-A**
START CONTRACT #: **68-W5-0019****ORIGINAL**

Activity Type: IV.A.0 Removal Assessments Task: RA General Task Description: Air Sampling Completion Date: 10/15/96		Created On: 05/21/96 Original Created: 04/05/96 DPO/PO: Keith Kollar Task Monitor: Nick Magripiles Task Codes: 03; E; RS	
<u>SITE INFORMATION</u> Site/Project Name: Cornell-Dubilier Electronics Site County Name: City, State, Zip: South Plainfield , NJ SSID #: CERCLIS #:		<u>Estimated Cost :</u> \$0.00 <u>Estimated Hrs:</u> 0 Dedicated: 0 Non-Dedicated: 0	
Deliverable: .N/A Funds Source: CERCLA Removal (3) DCN #(s): PHR012 (AAP) Fund-Lead Removal Support \$0.00		Priority: High Reference: Yes - Pick Up	
TDD Expenditure Limit: Cost: \$12,660.00 Hours: 200 Dedicated Hours: 200 Non-Dedicated Hours: 0		Staffing: Dedicated Staff Verbal Date: N / A	

Specific Element(s):

- Compile & Review Background Data
- Conduct Air Monitoring
- Document On-Site Activities
- Document Release
- Procure Laboratory Services
- Meet with Task Monitor

Comments:

The TDD is amended to extend the completion date to 10/15/96. The contractor shall provide technical support to the EPA Task Monitor for an initial site investigation. The first phase of the TDD will be for air sampling. The air sampling is required for the latter part of the week of April 8, or the first day soon thereafter, when sufficient wind is present that would result in increased dust generation. Four air samples are needed (not including QA/QC samples). Contaminants of interest are PCBs, lead, and cadmium. Continuous dust monitoring is also needed. Appropriate NIOSH procedures shall be followed to document workplace exposures. The duration of the sampling period may be contingent on the operations for that day. At least a QA-Level 2 methodology or comparable is required. Due to the ongoing exposures to persons at this location, a one week turnaround time is required for the analytical services. This TDD may be amended at a later date to include extensive soil and sediment sampling.

SITE BACKGROUND

<input checked="checked" type="radio"/> Accepted	by:
<input type="radio"/> Rejected	

Contractor Signature:

Owen B. Douglass Jr. Ph.D., CIH
Owen Douglass

08/02/96
Signed On:

TDD Acceptance Report

START CONTRACT # 68-W5-0019

TDD NUMBER: 96-04-0003-A

Site/Project Name: Cornell-Dubilier Electronics Site Activity Type: IV.A.0 Removal Assessments Task: RA General Task Description: Air Sampling		DPO/PO: Keith Kollar Created On: 05/23/96 Priority: High Staffing: Dedicated Staff
Specific Element(s) Compile & Review Background Data Conduct Air Monitoring Document On-Site Activities Document Release Procure Laboratory Services Meet with Task Monitor Estimated Cost: \$0.00 Estimated Hours: 0 Dedicated: 0 Non-Dedicated: 0	Estimated Completion Date: 10/15/96	

Acceptance Comments:

<input checked="checked" type="radio"/> Accepted <input type="radio"/> Rejected	by:
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Contractor Signature:

Owen B. Douglass Jr. Ph.D., CIH *Owen B. Douglass Jr. Ph.D., CIH*

05/23/96

Owen Douglass

Signed On:

The site is completely accessible at all times. On weekends, there are no restrictions to prevent access. Solid waste dumping is somewhat prevalent and graffiti covers some of the structures. A foot path is evident which cuts through the field where it is suspected that filling/dumping took place in the past. Electrical components and other residual materials are evident in this field. The foot path runs west to east from the residential area on Spicer Avenue to the brook. Spicer Avenue is less than 500 feet from the known area of concern, however probably less than 300 feet from the edge of the property. Dirt bike riding is reported to occur at the site.

Standard Language:

A. TDD Created By:

- Signed by Lisa Guarneiri on 05/21/96 02:30:29 PM, according to EPA Admin. Systems Division

L. A. Guarneiri

Lisa Guarneiri

05/21/96

Signed On:

B. Reviewed and Approved By:

- Signed by Lisa Guarneiri on 05/21/96 02:30:28 PM, according to EPA Admin. Systems Division

Project Officer:

L. A. Guarneiri

Lisa Guarneiri

04/04/96

Signed On:

Contract Officer:

Signed On:

C. Approval Comments:

START assigned: PM - Campbell
QC - Butterfield

Accepted 22 May 1996

C. Kelley

Cornell Dubilier Electronics Site - The Cornell-Dubilier Electronics (CDE) site is located in South Plainfield, NJ, in what is now known as Hamilton Industrial Park. CDE operated at this location from 1956 to 1961 testing transformer oils. It is alleged that during CDE's period of operation the company dumped transformer oil contaminated with PCBs directly on site soils. Former employees have reportedly claimed that transformers were buried behind the facility during the same time period. Currently, approximately fifteen businesses operate in a portion of the buildings formerly occupied by CDE. The property is approximately 25 acres in size. The buildings appear to occupy the front 50% of the property. The remaining rear portion is comprised of an unused field and wetlands. This portion of the property abuts an unnamed tributary to Bound Brook. Businesses and residential homes abut the property to the north and west, a Conrail line runs on the eastern boundary, and a wetland to the south. Sampling was conducted under the Pre-remedial program in June, 1994. Of six soil samples collected from a depth of 0-1 ft, one has revealed maximum levels of PCBs (1,100 ppm), lead (2,200 ppm) and cadmium (37 ppm). The area where this sample was collected is currently used by a truck driving school and is enclosed by a fence. The trucks practice and raise significant amounts of dust, while other view the activities from the outside of a nearby office trailer. These trucks and other cars also drive out of this fenced area along a dirt/hardpack gravel road that winds through the industrial park and leads onto Hamilton Boulevard, a residential/business area. PCBs were also found at 68 ppm and 110 ppm. Mercury, silver, and chromium were detected at maximum levels of 2.9 ppm, 26.7 ppm, and 78.6 ppm, respectively. A sample collected from a pile of excavated soil from a past heating oil release was found to contain the PCBs at 68 ppm. These piles are still present on the site. Samples collected from the nearby stream sediments revealed PCBs at 550 ppm in one of four samples. PCBs were detected in all of the sediment samples. Three soil samples collected by the NJDEP in September, 1994 revealed somewhat similar results for lead and PCBs. Cadmium (55.3 ppm), chromium (242 ppm), copper (1,600 ppm), arsenic (30.5 ppm), nickel (589 ppm), and zinc (1800 ppm) were also detected. The inorganic data was never validated.